

CERTIFICATE

of constancy of performance

1922 - CPR - 1227

In compliance with Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Fire detection and fire alarm systems. Fire alarm devices. Sounders.
teknim TFS-3191R - Conventional Fire Alarm Siren (Red)
teknim TFS-3191W - Conventional Fire Alarm Siren (White)

(For list of controlled characteristics, see Annex I to 1922 - CPR - 1227 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

Bilgi Elektronik San. ve Tic. A.Ş.

Dudullu Organize Sanayi Bölgesi 1. Cadde İsmet Tarman İş Merkezi No:1, Kat:2
No.32 Ümraniye, İstanbul, Turkey

and produced in the manufacturing plant

Bilgi Elektronik San. ve Tic. A.Ş.

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No.32 Ümraniye, İstanbul, Turkey

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 18.07.2019 and will remain valid until 28.11.2023 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. The certificate is supported through annual surveillance audit and is reissued after each surveillance audit. The validity of the certificate may be confirmed in the CE register at the web address www.dedal-bg.net.



Attestation & Certification

Manager:

Anna Vasileva

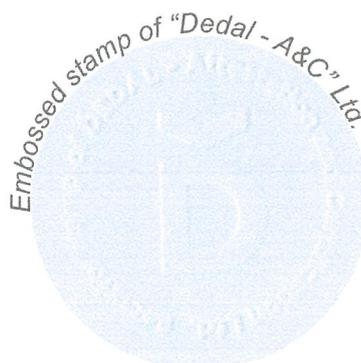
Issued:
Burgas, 23 November 2020

dipl. eng. Anna Vasileva

ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1227/ 23.11.2020

Performance list, acc. to EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006

Essential Characteristics	Performance	Clause
Performance parameters under fire conditions		
- Sound level	Pass	4.2
- Frequencies and sound pattern	Pass	4.3
- Reproducibility	Pass	5.2
- Operational performance	Pass	5.3
- Attention drawing signal and message broadcast sequences	N/A	C.3.1
- Synchronisation	N/A	C.3.2
- Broadcast message performance	N/A	C.5.1
- Attention drawing signal/silence/message sequence timing	N/A	C.5.2
- Message synchronization testing	N/A	C.5.3
Operational reliability		
- Durability	Pass	4.4
- Construction	Pass	4.5
- Marking and data	Pass	4.6
- Durability	Pass	5.4
- General testing	N/A	C.4
Durability of operational reliability, temperature resistance		
- Dry heat (operational)	Pass	5.5
- Dry heat (endurance)	N/A	5.6
- Cold (operational)	Pass	5.7
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
Durability of operational reliability, humidity resistance		
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
- Damp heat, cyclic (endurance)	N/A	5.10
Durability of operational reliability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.11
Durability of operational reliability, shock and vibration resistance		
- Shock (operational)	Pass	5.12
- Impact (operational)	Pass	5.13
- Vibration, sinusoidal (operational)	Pass	5.14
- Vibration, sinusoidal (endurance)	Pass	5.15
Durability, electrical stability		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16
Durability of operational reliability, resistance to ingress		
- Enclosure protection	Pass	5.17



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